**Homework 66** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Trig to Find Missing Angles** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work or write in complete sentences will result in a LaSalle.**

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| --- | --- | --- | --- |
| Use your calculator to solve for  in the problems below. Round to the nearest whole degree. | | | |
| 1) | 2) | 3) | 4) |
| 4) Find the measure of angles N and P. | | 5) Find the measure of angles U and S. | |
| 6) Find the measure of angles U and E. | | 7) Find the measure of angles T and A. | |
| 8) Using the diagram below, for what value of *x* does sin *A =* cos *A*?   1. 30° 2. 45° 3. 60° 4. None   Explain your answer in a complete sentence.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | 9) Solve the following right triangle.    U = \_\_\_\_\_ E = \_\_\_\_\_ UM = \_\_\_\_\_\_\_ | |